

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard or with Emergency Battery Backup

Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 IECCE CB Standard Model: IK08
 Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

Applications

- Enclosed and gasketed fixtures suitable for use in:
 - A wide range of harsh industrial environments
 - Marine and wet locations
 - Areas of low clearance, low ceiling heights or where fixture weights must be minimized
 - Areas where dust, water, dirt and rough usage are a problem
- Typical applications include:
 - Walkways and catwalks
 - Stairwells
 - Tunnels
 - Pipe racks
 - Processing areas
 - Hydrogen and Biofuels plants
 - LNG (Liquid Natural Gas) plants

Features

- All Models:
 - Compact light weight low profile design is suited for low mounting heights.
 - Three light output levels provide up to 5500 lumens.
- | Standard Mode | | |
|------------------|----------------|---------|
| Nominal Lumens ① | HID Equivalent | Model |
| 3300 | 70-100W | IMLLED2 |
| 4400 | 100-150W | IMLLED3 |
| 5500 | 150-175W | IMLLED4 |
- Choice of color temperature (CCT): 5000K cool white (70 CRI min), 4000K neutral white (80 CRI min), or 3000K warm white (80 CRI min).
 - Seven standard mounting hood designs allow for mounting in any location. Uses same mounting hoods as Mercmaster™ III HID, Mercmaster™ Premium LED and Mercmaster™ Generation 3.
 - Retrofit adapters for Crouse Hinds™ †, Mercmaster™ II HID, and Killark™ ‡ available. See Mercmaster™ Adapters.
 - Watertight Pendant Hood available to address water ingress into luminaire via conduit.
 - Hinge has high lip for added safety during installation and servicing. Hinge and bolt construction assures 360° compression at all points on fixture housing gasket for positive sealing. Swing away design of captive bolt and nut simplifies servicing.
 - Rugged housing with superior thermal design translates to long luminaire life.
 - Standard 6 kV/3 kA surge protection.
 - Spring-loaded screw-type terminal block can accept 0.14 - 6 mm² (26 - 10 AWG) wire.
 - Heavy duty, high temperature silicone gaskets.
 - Standard NPT threads.
 - Reported L70 is >108,000 hours.
 - Photometric data and electronic drawings available upon request.
 - 5 year standard warranty.
 - Standard Model:
 - Customize to the application requirements with four different field replaceable globe options: clear and diffused polycarbonate, clear glass, or prismatic glass refractor.
 - BU and BH Ambient Temperature: -40 °C to +65 °C (-40 °F to +149 °F).
 - Field replaceable globes and LED driver.



KPA + IMLLED + VPGL-GLASS



KPCH + IMLLED + LPG-R55

- Emergency Battery Backup Model:
 - Provides up to 1450 lumens of illumination for 90 minutes of emergency lighting or 800 lumens of illumination for 180 minutes of emergency lighting with clear lens.
 - Functional diagnostic test self-initiates every 14 days after initial start up.
 - Duration test is automatically performed once per year.
 - Green and Red LED lamps indicate charging status and provide fault warning.
 - Simple quick disconnect connector disconnects power between LEDs and battery management module to allow for easy maintenance.
 - Customize to the application requirements with three different field replaceable globe options: clear and diffused polycarbonate, or clear glass.
 - Ambient Temperature: BU: -20 °C to +55 °C (-4 °F to +131 °F).
 - Field replaceable globes, battery management module (BMM), battery pack and LED driver.

Options

- All Models:
 - Globe guard available, *purchase separately*
 - Safety cable available, *purchase separately*
- Standard Model:
 - Refractor guard available, *purchase separately*
 - All Mercmaster™ luminaires have provision for fusing; add suffix -F at the end of the catalog number.
 - Photocontrols are available and are configured to your operating voltage. Add suffix -1 for 120V, -2 for 208V, -3 for 240V, -4 for 277V.
 - Colored Glass globes available, *purchase separately*: Amber (VPGLGLASSAM), Blue (VPGLGLASSBL), Red (VPGLGLASSRE), Green (VPGLGLASSGR)

Standard Materials

- Mounting hoods and housing: cast copperfree (4/10 of 1% max.) aluminum
- Gaskets: silicone rubber
- All hardware and catch assemblies: stainless steel
- Globe: polycarbonate or glass
- Refractor: heat-resistant prismatic glass
- Globe guard, short refractor guard and safety cable: stainless steel wire
- Reflector: fiberglass reinforced white polyester

Standard Finishes

- Mounting hoods, driver housing and glass refractor guard: gray epoxy powder coat finish, electrostatically applied for complete uniform protection.

① Nominal lumen value for 5000K, clear glass globe Type V Wide. Detailed lumen information is provided in the "Lumen Output (Efficacy)" tables.

‡ Killark is a registered trademark of Killark Manufacturing Company.

† Crouse-Hinds is a registered trademark of Cooper Industries, Inc.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

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IECEE CB Standard Model: IK08
Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

NEC/CEC Certifications and Compliances

- Standard Model:
 - UL Standard: UL 1598; UL 8750
 - CSA Standard: C22.2 No. 250.0-08; C22.2 No. 250.13-17
 - NEMA ANSI/IEC Standard: 60529
 - cCSAus: 164460, Certificate Number: 70129363
- Emergency Battery Backup Model:
 - UL Standard: UL 1598; UL 8750; UL 924
 - CSA Standard: C22.2 No. 250.0-08; C22.2 No. 250.13-17; C22.2 No. 141-15
 - cCSAus: 164460, Certificate Number: 70172444

IECEE CB Certificates and Compliances:

- Standard Model:
 - IEC 60598-1, IEC 60598-2-1
 - IECEE CB Certificates: 64460-80075816

NOM: Norma Oficial Mexicana:

- Standard Model:
 - NOM-003-SCFI-2014 (NMX-J-307-ANCE-2017)
 - NOM Certificate: ULM-NOM-06823

Illustrated Features — All Models



Driver Housing Assembly:
Easy to access terminal block and driver.



Latch Assembly and Hinge: Captive, stainless steel latch assembly (bolt and nut) closes securely while providing resistance to corrosive atmospheres. Swing-away design simplifies wiring and installation. Extra high hinge provides additional protection against accidental driver housing disengagement during installation or maintenance.



Watertight Pendant Hood:
Provides protection against water ingress in the conduit utilizing an IP68 cord grip with 3 wire holes 4 mm (0.157") in diameter.



Safety Cable: Safety cable is slipped around the housing through retention points that are casted in. Safety cable has built in loops combined with a locking carabiner to allow for a quick and secure installation.

Heatsink: Reliable heat transfer via the cast, epoxy powder coat aluminum housing. Provides maximum heat dissipation from the LED assembly to the outside environment.

Electrical Protection: Ground wire provided to bond mounting hood to fixture housing. External Grounding provision for additional safety.

Mounting Hood and Globe Gaskets: Silicone rubber gaskets seal out moisture, dirt and dust. Stays flexible, withstands extreme temperatures. Closure design assures uniform gasket compression.

Terminal Blocks: A seven-point terminal block is provided to facilitate wiring. Terminal block accommodates wire size ranging from 0.14 - 6 mm² (26 - 10 AWG) wire.

Epoxy Finish: Fixture housing, mounting hoods and guards are copperfree aluminum with epoxy powder coat finish.

Illustrated Features — Standard Model



Prismatic Refractors:
Heat-resistant refractor threads directly into fixture housing and seal against a high-temperature silicone rubber gasket.



Fuses (optional):
Fuses factory installed in luminaire housing.



Photocell (optional):
Factory Installed in the Mounting Hood. Available for all fixtures except cone and ceiling mount. Provides continuous ON-OFF dusk-to-dawn control.

Illustrated Features — Emergency Battery Backup Model



Quick Disconnect:
Simple quick disconnect connector disconnects power between LEDs and battery management module to allow for easy maintenance.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

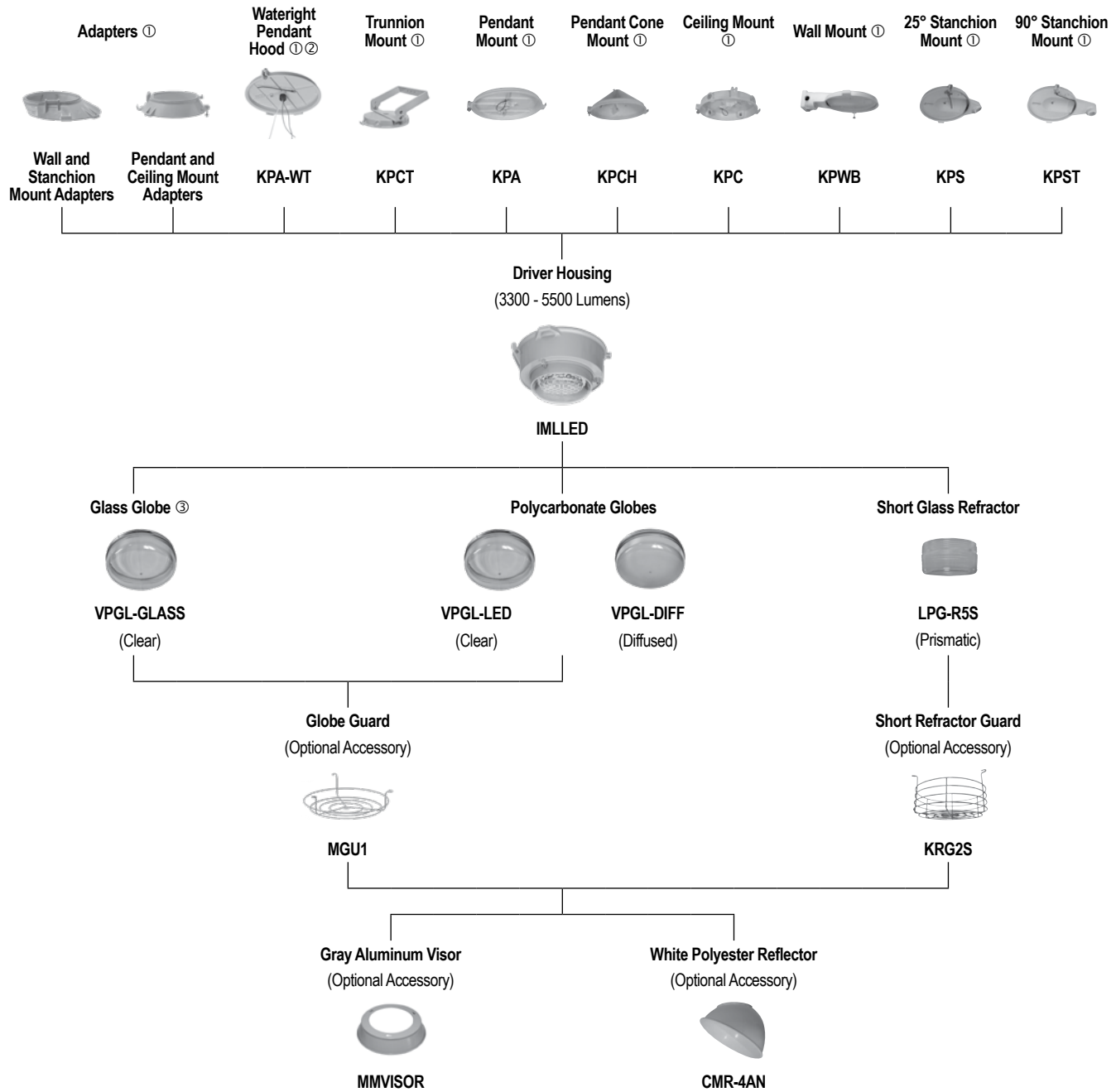
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Family Tree — Industrial Mercmaster™ LED Low Profile Series Luminaires — Standard Model



① See Mounting Hood Adapters table for part numbers.

② Certified for cCSAus only.

③ Colored glass globes can be ordered separately, see Accessories and Replacement Parts table for more details.

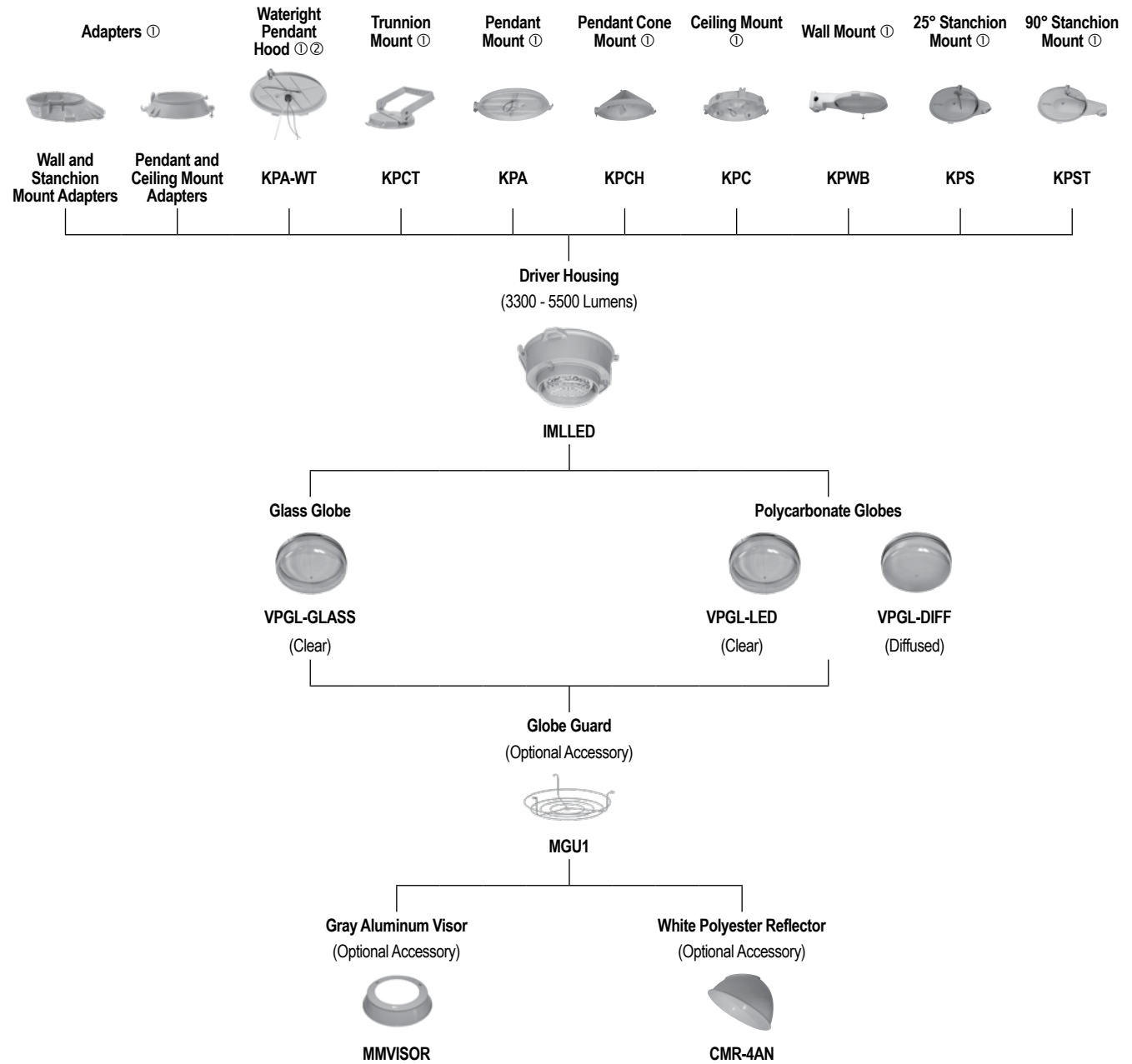
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Ordinary Locations

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Family Tree — Industrial Mercmaster™ LED Low Profile Series Luminaires — Emergency Battery Backup Model



LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

① See Mounting Hood Adapters table for part numbers.

② Certified for cCSAus only.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

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Order Using Catalog Numbering Guide — Industrial Mercmaster™ LED Low Profile Series Luminaires — Standard Model

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

<p>IMLLED</p> <p>Series Prefix: IMLLED - Industrial Mercmaster LED Low Profile Series</p>	<p>A</p> <p>Mounting: A - Pendant B - Watertight Pendant ▲ C - Ceiling Ⓞ D - Pendant Cone ▲Ⓞ R - 90° Stanchion ① S - 25° Stanchion ① T - Trunnion K - Killark™ ◆ Adapter Universal ▲ U - Mercmaster II Adapter, Ceiling or Pendant ▲ V - Mercmaster II Adapter, Stanchion or Wall ▲ W - Wall X - Crouse Hinds™ † Adapter, Ceiling or Pendant ▲ Y - Crouse Hinds™ † Adapter, Stanchion or Wall ▲ Blank - No mounting hood</p>	<p>4</p> <p>Lumen (nominal): ② 2 - 3,300 3 - 4,400 4 - 5,500</p>	<p>2</p> <p>Hub Size: ⑦ 2 - 3/4" NPT 3 - 1" NPT 4 - 1-1/4" NPT stanchion 5 - 1-1/2" NPT stanchion 6 - Metric M20 Blank - No hub if using adapter or ordering driver housing only (no mounting hood)</p>	<p>C</p> <p>Color Temperature: C - Cool, 5000K N - Neutral, 4000K W - Warm, 3000K</p>	<p>P</p> <p>Globe Material: P - Clear Polycarbonate Globe D - Diffused Polycarbonate Globe G - Clear Glass Globe ③ J - Glass Prismatic Refractor ③</p>	<p>5</p> <p>Light Distribution Pattern: 5 - Type V</p>	<p>BU</p> <p>Voltage: BU - 120-277 Vac, 50/60 Hz; 125-300 Vdc BH - 347-480 Vac, 50/60 Hz ▲</p>	<p>E</p> <p>Options: ④ F - Fusing Blank - No fusing</p>	<p>1</p> <p>Options: 1 - Photocontrol 120V Ⓞ 2 - Photocontrol 208V Ⓞ 3 - Photocontrol 240V Ⓞ 4 - Photocontrol 277V Ⓞ Blank - No Options Chosen</p>
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① 3/4" NPT, 1" NPT and Metric M20 hub entries are not offered in this mounting option.

② For lumen output information, see Lumen Output (Efficacy) Table.

③ Guards for the glass refractors and globes are ordered separately. See the Accessories for more information.

④ Fusing only permitted for cCSAus rating. Factory installed. Use of fuse voids Marine Outside Type (Salt Water) rating. Fusing is mounted in the driver housing. For retrofit applications, fusing must be removed from the mounting hood and ordered in the luminaire.

⑤ Luminaires with photocontrol are not rated IP66/67, 3R, 4, 4X, or Marine Outside Type (Salt Water). Photocontrol available for 120-277 Vac only. Factory installed in the mounting hood.

⑥ Ceiling-mount and pendant cone mounting hoods and adapters are not designed to use the in hood photocontrol. Ceiling and pendant cone mounts must use an FS/FD box with photocontrol. Contact your local sales rep for more information.

⑦ Hub size does not apply to luminaires ordered with adapters.

▲ Adapters, watertight pendant hood and BH Voltage only certified for cCSAus. Not available for use with photocontrol.

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† Crouse-Hinds is a registered trademarks of Cooper Crouse-Hinds.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

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Order Using Catalog Numbering Guide — Industrial Mercmaster™ LED Low Profile Series Luminaires — Emergency Battery Backup Model

<p>IMLED</p> <p>Series Prefix: IMLED - Industrial Mercmaster LED Low Profile Series with Emergency Battery Backup</p>	<p>A</p> <p>Mounting:</p> <p>A - Pendant B - Watertight Pendant ▲ C - Ceiling D - Pendant Cone ▲ R - 90° Stanchion ① S - 25° Stanchion ① T - Trunnion K - Killark™ ◆ Adapter Universal ▲ U - Mercmaster II Adapter, Ceiling or Pendant ▲ V - Mercmaster II Adapter, Stanchion or Wall ▲ W - Wall X - Crouse Hinds™ † Adapter, Ceiling or Pendant ▲ Y - Crouse Hinds™ † Adapter, Stanchion or Wall ▲ Blank - No mounting hood</p>	<p>4</p> <p>Lumen (nominal): ②</p> <p>2 - 3,300 3 - 4,400 4 - 5,500</p>	<p>2</p> <p>Hub Size: ④</p> <p>2 - 3/4" NPT 3 - 1" NPT 4 - 1-1/4" NPT stanchion 5 - 1-1/2" NPT stanchion 6 - Metric M20 Blank - No hub if using adapter or ordering driver housing only (no mounting hood)</p>	<p>C</p> <p>Color Temperature:</p> <p>C - Cool, 5000K N - Neutral, 4000K W - Warm, 3000K</p>	<p>P</p> <p>Globe Material:</p> <p>P - Clear Polycarbonate Globe D - Diffused Polycarbonate Globe G - Clear Glass Globe ③</p>	<p>5</p> <p>Light Distribution Pattern: 5 - Type V</p>	<p>BU</p> <p>Voltage:</p> <p>BU - 120-277 Vac, 50/60 Hz</p>	<p>H</p> <p>Emergency:</p> <p>H - 90 Minutes E - 180 Minutes</p>
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LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

① 3/4" NPT, 1" NPT and Metric M20 hub entries are not offered in this mounting option.
② For lumen output information, see Lumen Output (Efficacy) Table.
③ Guard for the glass globe must be ordered separately. See the Accessories for more information.
④ Hub size does not apply to luminaires ordered with adapters.
▲ Adapters and watertight pendant hood only certified for cCSAus.
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Lumen Output (Efficacy) — Standard Model ①

Model	HID Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)
Clear Polycarbonate Globe														
IMLLED2	70-100W	Type V	3000K	70	3000	107	4000K	70	3000	107	5000K	70	3200	114
IMLLED3	100-150W	Type V	3000K	70	3900	103	4000K	70	4000	105	5000K	70	4200	111
IMLLED4	150-175W	Type V	3000K	70	4900	102	4000K	70	5000	104	5000K	70	5300	110
Diffused Polycarbonate Globe														
IMLLED2	70-100W	Type V	3000K	70	2900	104	4000K	70	2900	104	5000K	70	3100	111
IMLLED3	100-150W	Type V	3000K	70	3800	100	4000K	70	3900	103	5000K	70	4100	108
IMLLED4	150-175W	Type V	3000K	70	4800	100	4000K	70	4900	102	5000K	70	5150	107
Clear Glass Globe														
IMLLED2	70-100W	Type V	3000K	70	3100	111	4000K	70	3100	111	5000K	70	3300	118
IMLLED3	100-150W	Type V	3000K	70	4100	108	4000K	70	4200	111	5000K	70	4400	116
IMLLED4	150-175W	Type V	3000K	70	5100	106	4000K	70	5200	108	5000K	70	5500	115
Glass Prismatic Refractor														
IMLLED2	70-100W	Type V	3000K	70	2800	100	4000K	70	2800	100	5000K	70	3000	107
IMLLED3	100-150W	Type V	3000K	70	3700	97	4000K	70	3800	100	5000K	70	4000	105
IMLLED4	150-175W	Type V	3000K	70	4600	96	4000K	70	4650	97	5000K	70	4900	102

① All lumen values are typical (tolerance +/- 10%).

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

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Lumen Output (Efficacy) — Emergency Battery Backup Model ①②

Model	HID Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)
Clear Polycarbonate Globe — Standard Mode														
IMLLED2	70-100W	Type V	3000K	70	3000	91	4000K	70	3200	97	5000K	70	3200	97
IMLLED3	100-150W	Type V	3000K	70	3900	98	4000K	70	4200	105	5000K	70	4200	105
IMLLED4	150-175W	Type V	3000K	70	4900	100	4000K	70	5000	102	5000K	70	5300	108
Clear Polycarbonate Globe — 90 Minute Emergency Mode														
IMLLED2	70-100W	Type V	3000K	70	1150	N/A	4000K	70	1270	N/A	5000K	70	1400	N/A
IMLLED3	100-150W	Type V	3000K	70	1150	N/A	4000K	70	1270	N/A	5000K	70	1400	N/A
IMLLED4	150-175W	Type V	3000K	70	1150	N/A	4000K	70	1270	N/A	5000K	70	1400	N/A
Diffused Polycarbonate Globe — Standard Mode														
IMLLED2	70-100W	Type V	3000K	70	2900	88	4000K	70	3100	94	5000K	70	3100	94
IMLLED3	100-150W	Type V	3000K	70	3800	95	4000K	70	3900	98	5000K	70	4100	103
IMLLED4	150-175W	Type V	3000K	70	4800	98	4000K	70	4900	100	5000K	70	5150	105
Diffused Polycarbonate Globe — 90 Minute Emergency Mode														
IMLLED2	70-100W	Type V	3000K	70	1100	N/A	4000K	70	1200	N/A	5000K	70	1350	N/A
IMLLED3	100-150W	Type V	3000K	70	1100	N/A	4000K	70	1200	N/A	5000K	70	1350	N/A
IMLLED4	150-175W	Type V	3000K	70	1100	N/A	4000K	70	1200	N/A	5000K	70	1350	N/A
Clear Glass Globe — Standard Mode														
IMLLED2	70-100W	Type V	3000K	70	3100	94	4000K	70	3100	94	5000K	70	3300	100
IMLLED3	100-150W	Type V	3000K	70	4100	103	4000K	70	4200	105	5000K	70	4400	110
IMLLED4	150-175W	Type V	3000K	70	5000	102	4000K	70	5200	106	5000K	70	5500	112
Clear Glass Globe — 90 Minute Emergency Mode														
IMLLED2	70-100W	Type V	3000K	70	1200	N/A	4000K	70	1330	N/A	5000K	70	1450	N/A
IMLLED3	100-150W	Type V	3000K	70	1200	N/A	4000K	70	1330	N/A	5000K	70	1450	N/A
IMLLED4	150-175W	Type V	3000K	70	1200	N/A	4000K	70	1330	N/A	5000K	70	1450	N/A

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

① All lumen values are typical (tolerance +/-10%). For Lumen Output (Efficacy) of the emergency battery backup model in 180 minute emergency mode, contact your local sales representative.

② 70 minimum.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

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Electrical Specifications — Standard Model ①

Model	Voltage	Input Power (Watts)	Input Current (Amps)	Power Factor (PF)	Total Harmonic Distortion (THD)
IMLLED2	120 Vac	28	.28	>0.9	< 20%
	277 Vac	28	.13		
	170 Vdc	27	.16	N/A	N/A
	300 Vdc	27	.09		
	347 Vac	30	.10	>0.9	< 20%
	480 Vac	30	.06		
IMLLED3	120 Vac	38	.38	>0.9	< 20%
	277 Vac	38	.16		
	170 Vdc	37	.22	N/A	N/A
	300 Vdc	39	.13		
	347 Vac	40	.13	>0.9	< 20%
	480 Vac	40	.08		
IMLLED4	120 Vac	48	.48	>0.9	< 20%
	277 Vac	48	.20		
	170 Vdc	49	.29	N/A	N/A
	300 Vdc	48	.16		
	347 Vac	51	.16	>0.9	< 20%
	480 Vac	50	.10		

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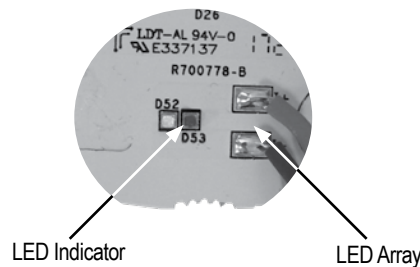
Electrical Specifications — Emergency Model ①

Model	Voltage	Input Power (Watts)	Input Current (Amps)	Power Factor (PF)	Total Harmonic Distortion (THD)
IMLLED2	120 Vac	33	.27	>0.9	< 15%
	277 Vac		.13		
IMLLED3	120 Vac	40	.33	>0.9	
	277 Vac		.16		
IMLLED4	120 Vac	49	.42	>0.9	
	277 Vac		.20		

Automatic Testing System (ATS) — Emergency Battery Backup Model — Functionality

Functional	Full Duration
Starts within 24 to 45 hours after the initial powerup of the module	Starts within 5 to 26 days after the initial power of the module
Occurs every 14 days after the initial aforementioned functional test	Occurs every 364 days after the initial aforementioned functional test
Lasts for 30 seconds	Lasts for the full duration of the rated emergency period

At the completion of functional and full duration tests, LED indicator will display the status of the emergency luminaire when AC is present



LED Signals

Indicator Color	Timing	Description
Green	1 sec ON: 1 sec OFF	Normal charging ok, Battery not yet fully charged, No fault detected, Testing ok
Green	0.25 sec ON: 0.25 sec OFF	Functional / Duration Self-Test on-going
Green	Steady ON	Charging ok, Battery fully charged, No fault detected, Testing ok
Red	1 sec ON: 1 sec OFF	Fault condition. Installation issue. Battery is reverse, not connected or shorted. Functional test failure, full duration test failure
LED Indicators OFF, LED Array ON	LED Indicator Lights (Red and Green) OFF	No AC, Emergency mode ON

① All values are typical (tolerance +/-10%).

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.




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Fixture Unit — Driver Housing and Globe or Refractor

	Lumen Level	LED Wattage	HID Light Level Equivalent	NEMA Type	Voltage	Catalog Number			
						Polycarbonate Globe	Polycarbonate Diffused Globe	Clear Glass Globe	Glass Prismatic Refractor
Driver Housing — Standard Model									
	3000K	28	70-100W	Type V	120-277 Vac	IMLLED2WP5BU	IMLLED2WD5BU	IMLLED2WG5BU	IMLLED2WJ5BU
	4000K	38	100-150W	Type V	120-277 Vac	IMLLED3NP5BU	IMLLED3ND5BU	IMLLED3NG5BU	IMLLED3NJ5BU
	5000K	48	150-175W	Type V	120-277 Vac	IMLLED4CP5BU	IMLLED4CD5BU	IMLLED4CG5BU	IMLLED4CJ5BU
	3000K	28	70-100W	Type V	347-480 Vac	IMLLED2WP5BH	IMLLED2WD5BH	IMLLED2WG5BH	IMLLED2WJ5BH
	4000K	38	100-150W	Type V	347-480 Vac	IMLLED3NP5BH	IMLLED3ND5BH	IMLLED3NG5BH	IMLLED3NJ5BH
	5000K	48	150-175W	Type V	347-480 Vac	IMLLED4CP5BH	IMLLED4CD5BH	IMLLED4CG5BH	IMLLED4CJ5BH
Driver Housing — Emergency Battery Backup Model — 90 Minute									
	3000K	28	70-100W	Type V	120-277 Vac	IMLLED2WP5BUH	IMLLED2WD5BUH	IMLLED2WG5BUH	—
	4000K	38	100-150W	Type V	120-277 Vac	IMLLED3NP5BUH	IMLLED3ND5BUH	IMLLED3NG5BUH	—
	5000K	48	150-175W	Type V	120-277 Vac	IMLLED4CP5BUH	IMLLED4CD5BUH	IMLLED4CG5BUH	—
Driver Housing — Emergency Battery Backup Model — 180 Minute									
	3000K	28	70-100W	Type V	120-277 Vac	IMLLED2WP5BUE	IMLLED2WD5BUE	IMLLED2WG5BUE	—
	4000K	38	100-150W	Type V	120-277 Vac	IMLLED3NP5BUE	IMLLED3ND5BUE	IMLLED3NG5BUE	—
	5000K	48	150-175W	Type V	120-277 Vac	IMLLED4CP5BUE	IMLLED4CD5BUE	IMLLED4CG5BUE	—

Mounting Hoods — All Models

Hub Size	Weight in kg (lbs)	Catalog Number	Hub Size	Weight in kg (lbs)	Catalog Number	
Pendant — One Hub, Rigid Mounting			Ceiling — Five Hubs, Four Close-Up Plugs			
						
	3/4" NPT			3/4" NPT		KPC-75
	1" NPT	1.0 (2.3)		1" NPT	1.4 (3.0)	KPC-100
M20		KPA-M20	M20		KPC-M20	
Pendant Cone — One Hub, Rigid Mounting			Wall — Five Hubs, Four Close-Up Plugs			
						
	3/4" NPT			3/4" NPT		KPWB-75
	1" NPT	1.1 (2.5)		1" NPT	1.8 (4.0)	KPWB-100
M20		KPCH-M20	M20		KPWB-M20	
Watertight Pendant Hood — One Hub, Rigid Mounting			25° Stanchion — One Hub			
						
	3/4" NPT			1-1/4" NPT		KPS-125
	1" NPT	1.1 (2.4)		1-1/2" NPT	1.5 (3.3)	KPS-150
M20		KPA-WT-M20				
Trunnion — Five Hubs, Four Close-Up Plugs			90° Stanchion — One Hub			
						
	3/4" NPT			1-1/4" NPT		KPST-125
	1" NPT	6.1 (13.4)		1-1/2" NPT	1.7 (3.8)	KPST-150
M20		KPCT-M20				

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard or with Emergency Battery Backup




Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 IECCE CB Standard Model: IK08
 Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

Accessories and Replacement Parts — All Models

Description	Weight in kg (lbs)	Catalog Number
Globes		
 Clear Globe — Polycarbonate	0.2 (0.5)	VPGL-LED
 Diffused Globe — Polycarbonate	0.2 (0.5)	VPGL-DIFF
 Clear Globe — Glass	0.8 (1.7)	VPGL-GLASS
Guard		
 Globe Guard — Stainless Steel	0.2 (0.4)	MGU1
Safety Cable		
 Safety Cable — Stainless Steel	0.2 (0.4)	LEDSC
Visor		
 Electrostatically applied gray epoxy powder coat finish on Aluminum Visor	0.4 (0.9)	MMVISOR
Reflector		
 30° Angle White Polyester Reflector	1.3 (2.7)	CMR-4AN

Mounting Hood Adapters — All Models ①

Manufacturer	Installed Mounting Hood	Weight in kg (lbs)	Appleton Adapter Catalog Number
 Crouse-Hinds™ Champ® †	Pendant: APM2/3 Ceiling: CM2/3 Flexible Pendant: HPM2	0.9 (2.00)	MMADCHVS
	Appleton™ Mercmaster™ II	Pendant: LPA75/100 Ceiling: LPC75/100	0.9 (2.00)
 Crouse-Hinds™ Champ® †	Wall: TW2M2/3 25° Angle Stanchion: JM5 90° Angle Stanchion: PM5	0.9 (2.00)	MMADCHVA
	Appleton™ Mercmaster™ II	Wall: LPWB75, LPWB100 25° Angle Stanchion: LPS125, LPS150	0.9 (2.00)
 Killark™ ‡	Ceiling: VMX2B, VMX3B, VMX6B, VMX7B, VMX9B Pendant: VMA2B, VMA3B Stanchion: VMD4B, VMD5B, VMS4B, VMS5B Wall: VMB2B, VMB3B Pendant Cone: VMC2B, VMC3B	1.0 (2.3)	MMADKVA

① Adapters are cCSAus rated only.

‡ Killark is a registered trademark of Hubbell Incorporated.

† Crouse-Hinds and Champ are a registered trademarks of Cooper Crouse-Hinds.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

Ordinary Locations






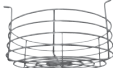

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘

IECEE CB Standard Model

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

Accessories and Replacement Parts — Standard Model

	Description	Weight in kg (lbs)	Catalog Number		
Globes ①					
	Glass Globe — Amber	0.2 (0.5)	VPGLGLASSAM		
	Glass Globe — Blue	0.2 (0.5)	VPGLGLASSBL		
	Glass Globe — Red	0.8 (1.7)	VPGLGLASSRE		
	Glass Globe — Green	0.8 (1.7)	VPGLGLASSGR		
	Light Distribution	Weight in kg (lbs)	Catalog Number		
Prismatic Glass Refractor — All Heat-Resistant ②					
	Short Prismatic Glass Refractor — NEMA Type V	1.4 (3.0)	LPG-R5S		
	Description		Catalog Number		
Guard					
	Short Refractor Guard for LPG-R5S	0.3 (0.7)	KRG2S		
Model	Voltage	Driver Wattage	Constant Current Settings	Catalog Number	
Replacement Drivers					
	MLLED2	BU	50 Watt	720mA	APMS050C135UD72
		BH		720mA	APMS050C135HD72
	MLLED3	BU	50 Watt	1000mA	APMS050C135UD10
		BH		1000mA	APMS050C135HD10
	MLLED4	BU	50 Watt	1300mA	APMS050C135UD13
		BH		1300mA	APMS050C135HD13

① Certified for cCSAus only.

② Glass Prismatic Refractors are cCSAus rated only.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.



Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard or with Emergency Battery Backup


Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 IECCE CB Standard Model: IK08
 Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)


Accessories and Replacement Parts — Emergency Battery Backup Model

Description	Weight in kg (lbs)	Catalog Number
 Replacement Battery Pack	0.7 (1.5)	BPMLLED
 Replacement Battery Management Module	0.7 (1.5)	BMMLLED

Replacement Fuse (Emergency system)	0.2 (0.4)	MLF5
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Model	Voltage	Driver Wattage	Constant Current Settings	Catalog Number
Replacement Drivers and Battery Management Module with Battery				
 IMLED2			415mA	APMS050C135UD41
IMLED3	BH	50 Watt	550mA	APMS050C135UD55
IMLED4			690mA	APMS050C135UD69

Mounting Hood with Factory Installed Photocontrol ① — All Models

Mounting Hood	Hub Size	Photocontrol Option	Catalog Number	
	Pendant	120 V	KPA75PC12	
		208 V, 240 V, 277 V	KPA75PC24	
	Wall	1" NPT	120 V	KPA100PC12
		208 V, 240 V, 277 V	KPA100PC24	
25° Stanchion	3/4" NPT	120 V	KPWB75PC12	
		208 V, 240 V, 277 V	KPWB75PC24	
	1" NPT	120 V	KPWB100PC12	
		208 V, 240 V, 277 V	KPWB100PC24	
90° Stanchion	1-1/4" NPT stanchion	120 V	KPS125PC12	
		208 V, 240 V, 277 V	KPS125PC24	
	1-1/2" NPT stanchion	120 V	KPS150PC12	
		208 V, 240 V, 277 V	KPS150PC24	

Luminaire Weights — All Models

Description	Weight kg (lb)
Standard Model Fixture Unit	4.6 (10.10)
Emergency Battery Backup Model Fixture Unit	5.8 (13.80)

① Fixtures with photocontrols are rated Type 3R.

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

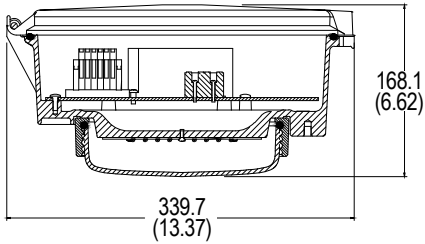
Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard or with Emergency Battery Backup
Ordinary Locations

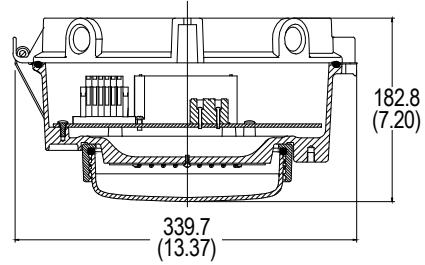
NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
 IECCE CB Standard Model: IK08
 Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

Dimensions in Millimeters (Inches) — With Polycarbonate Globe — All Models

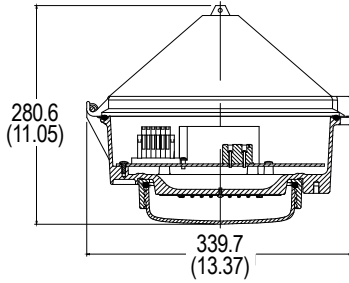
Pendant Mount



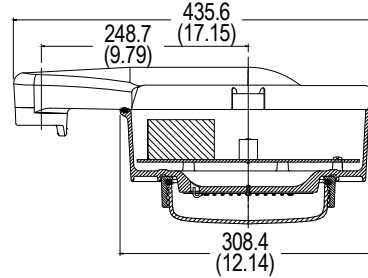
Ceiling Mount



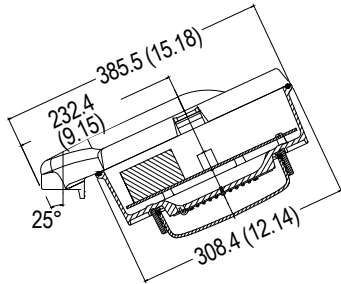
Pendant Cone Mount



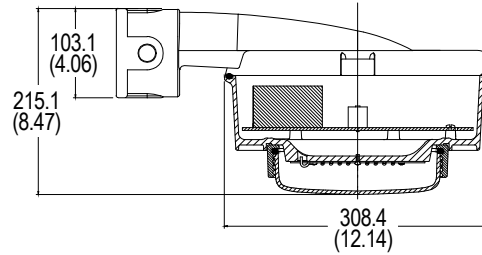
90° Stanchion Mount



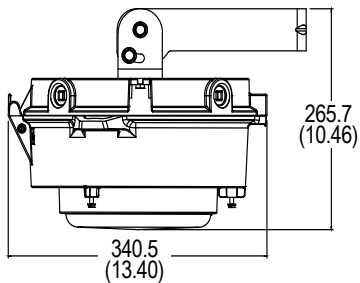
25° Stanchion Mount



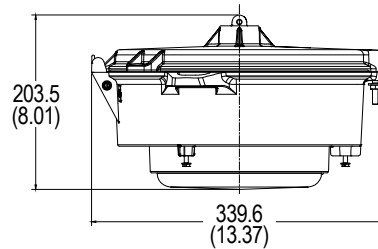
Wall Mount



Trunnion Mount



Watertight Pendant Hood



⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

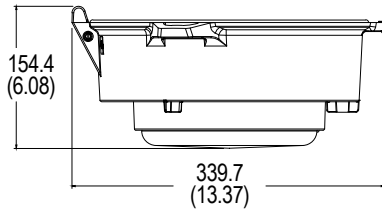
Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard or with Emergency Battery Backup
Ordinary Locations

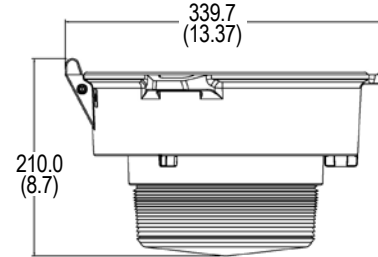
NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
IECEE CB Standard Model: IK08
Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

Dimensions in Millimeters (Inches)

Driver Housing with Polycarbonate Globe — All Models

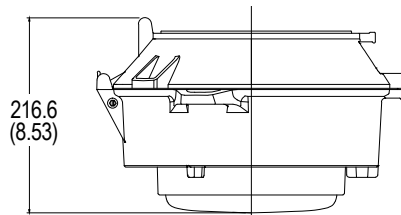


Driver Housing with Short Prismatic Glass Refractor — Standard Model

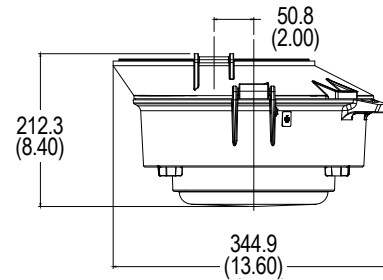


Dimensions in Millimeters (Inches) — With Polycarbonate Globe — All Models

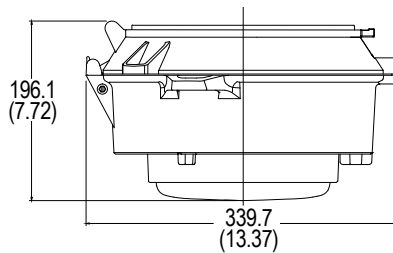
Mercmaster II Adapter — Ceiling or Pendant



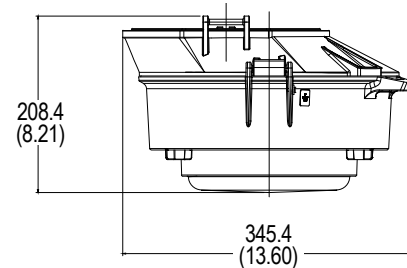
Mercmaster II Adapter — Stanchion or Wall



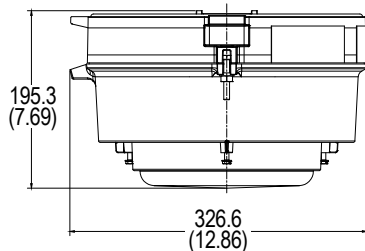
Crouse-Hinds™ ⚡ Adapter — Ceiling or Pendant



Crouse-Hinds™ ⚡ Adapter — Stanchion or Wall



Killark™ ⚡ Adapter



⚡ Killark is a registered trademark of Hubbell Incorporated.
⚡ Crouse-Hinds is a registered trademark of Cooper Crouse-Hinds.
⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⚠

IECEE CB Standard Model: IK08

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

Photometric Data — DATA SHOWN IS ABSOLUTE

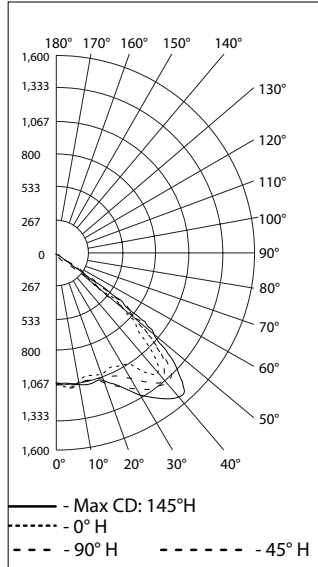
Type V, Clear Polycarbonate, 5000K CCT

REPORT NUMBER: MLLED2CP5BU

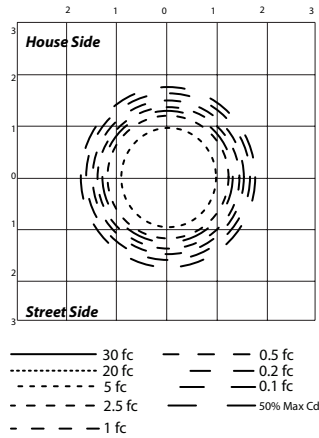
Luminaire Lumens 3,198

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	932.7	29.2%
0-40	1,750.7	54.7%
0-60	3,144.3	98.3%
60-90	48.0	1.5%
70-100	17.6	0.6%
90-120	4.8	0.2%
0-90	3,192.3	99.8%
90-180	5.7	0.2%
0-180	3,198.0	100%

LUMENS PER ZONE

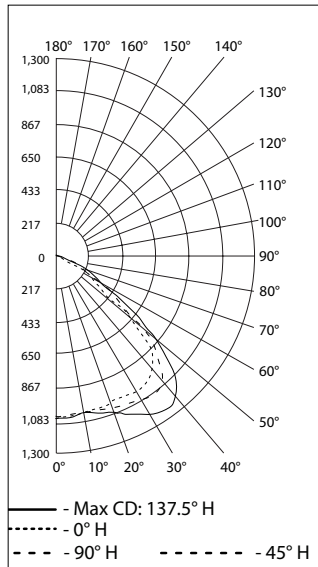
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	102.0	3.2%	90-100	1.9	0.1%
10-20	302.3	9.5%	100-110	1.9	0.1%
20-30	528.5	16.5%	110-120	1.0	0%
30-40	817.9	25.6%	120-130	0.8	0%
40-50	969.4	30.3%	130-140	0.0	0%
50-60	424.2	13.3%	140-150	0	0%
60-70	32.3	1.0%	150-160	0.0	0%
70-80	10.3	0.3%	160-170	0.0	0%
80-90	5.4	0.2%	170-180	0.0	0%

Type V, Diffused Polycarbonate, 5000K CCT

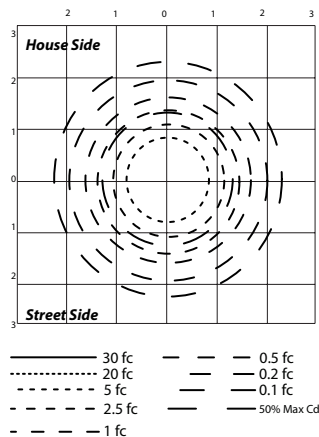
REPORT NUMBER: MLLED2CD5BU

Luminaire Lumens 3,103

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	903.1	29.1%
0-40	1,609.3	51.9%
0-60	2,795.0	90.1%
60-90	283.4	9.1%
70-100	107.9	3.5%
90-120	24.0	0.8%
0-90	3,078.4	99.2%
90-180	25.3	0.8%
0-180	3,103.7	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	100.3	3.2%	90-100	9.0	0.3%
10-20	298.2	9.6%	100-110	10.7	0.3%
20-30	504.6	16.3%	110-120	4.3	0.1%
30-40	706.2	22.8%	120-130	1.2	0%
40-50	735.2	23.7%	130-140	0.1	0%
50-60	450.5	14.5%	140-150	0	0%
60-70	184.5	5.9%	150-160	0	0%
70-80	75.4	2.4%	160-170	0	0%
80-90	23.5	0.8%	170-180	0	0%

⚠ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘

IECEE CB Standard Model: IK08

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

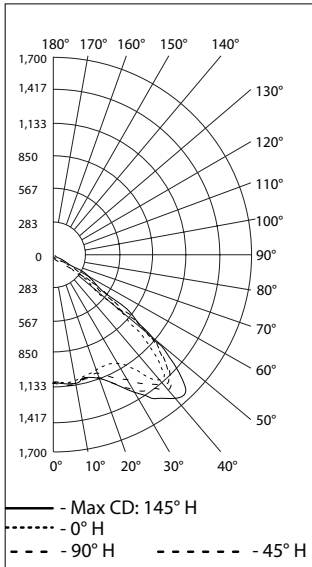
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT

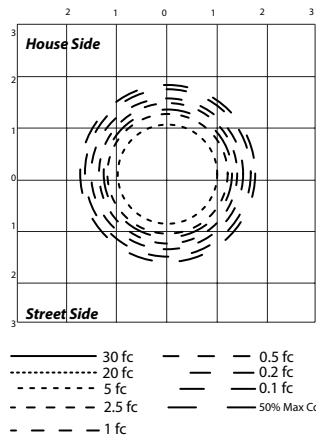
REPORT NUMBER: MLLED2CG5BU

Luminaire Lumens 3,334

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	960.0	28.8%
0-40	1,828.8	54.8%
0-60	3,298.1	98.9%
60-90	32.1	1%
70-100	8.4	0.3%
90-120	3.9	0.1%
0-90	3,330.2	99.9%
90-180	4.2	0.1%
0-180	3,334.5	100%

LUMENS PER ZONE

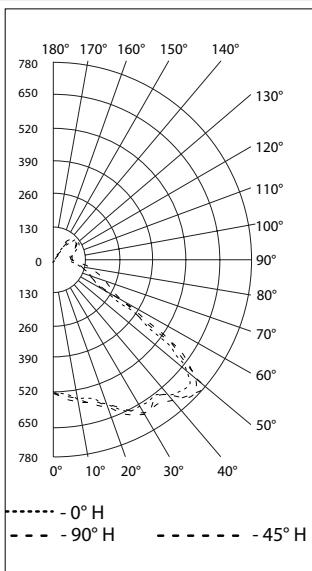
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	105.6	3.2%	90-100	1.1	0%
10-20	309.3	9.3%	100-110	1.2	0%
20-30	545.0	16.3%	110-120	1.6	0%
30-40	868.8	26.1%	120-130	0.3	0%
40-50	1,049.7	31.5%	130-140	0.0	0%
50-60	419.6	12.6%	140-150	0.1	0%
60-70	24.8	0.7%	150-160	0	0%
70-80	4.9	0.1%	160-170	0	0%
80-90	2.4	0.1%	170-180	0	0%

Type V, Glass Refractor, 5000K CCT

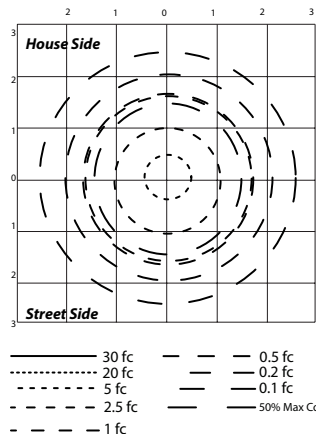
REPORT NUMBER: MLLED2CJ5BU

Luminaire Lumens 3,020

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	526.8	17.4%
0-40	959.4	31.8%
0-60	2,035.0	67.4%
60-90	516.7	17.1%
70-100	363.7	12%
90-120	231.1	7.6%
0-90	2,551.7	84.5%
90-180	468.9	15.5%
0-180	3,020.6	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	52.5	1.7%	90-100	81.0	2.7%
10-20	167.2	5.5%	100-110	70.8	2.3%
20-30	307.0	10.2%	110-120	79.3	2.6%
30-40	432.6	14.3%	120-130	104.8	3.5%
40-50	573.9	19.0%	130-140	90.3	3%
50-60	501.7	16.6%	140-150	37.8	1.3%
60-70	234.1	7.7%	150-160	4.9	0.2%
70-80	167.4	5.5%	160-170	0.0	0%
80-90	115.3	3.8%	170-180	0	0%

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⚠

IECEE CB Standard Model: IK08

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

Photometric Data — DATA SHOWN IS ABSOLUTE

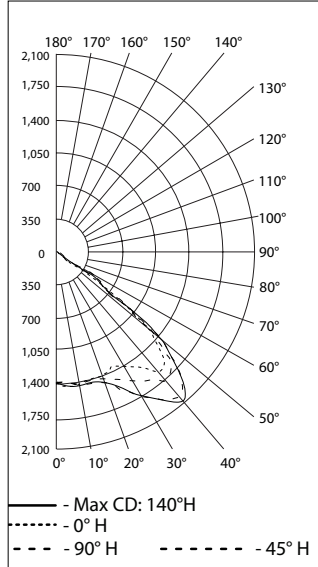
Type V, Clear Polycarbonate, 5000K CCT

REPORT NUMBER: MLLED3CP5BU

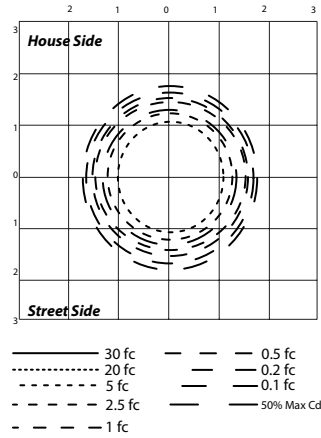
Luminaire Lumens 4,234

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,229.4	29%
0-40	2,320.7	54.8%
0-60	4,178.7	98.7%
60-90	49.5	1.2%
70-100	18.7	0.4%
90-120	5.2	0.1%
0-90	4,228.2	99.9%
90-180	6.0	0.1%
0-180	4,234.3	100%

LUMENS PER ZONE

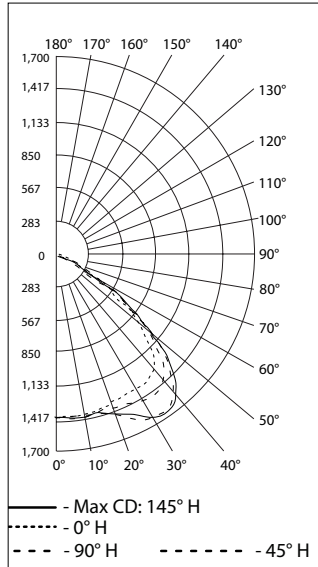
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	134.1	3.2%	90-100	2.3	0.1%
10-20	396.8	9.4%	100-110	1.9	0%
20-30	698.5	16.5%	110-120	1.0	0%
30-40	1,091.3	25.8%	120-130	0.8	0%
40-50	1,302.8	30.8%	130-140	0.0	0%
50-60	555.3	13.1%	140-150	0.0	0%
60-70	33.0	0.8%	150-160	0.0	0%
70-80	10.5	0.2%	160-170	0.0	0%
80-90	5.9	0.1%	170-180	0.0	0%

Type V, Diffused Polycarbonate, 5000K CCT

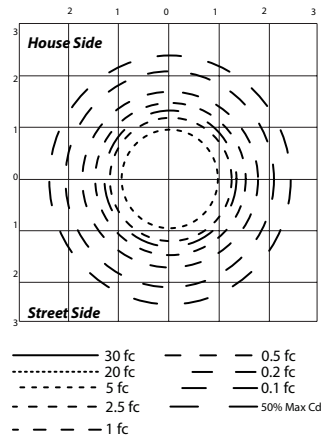
REPORT NUMBER: MLLED3CD5BU

Luminaire Lumens 4,151

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,206.1	29.1%
0-40	2,153.6	51.9%
0-60	3,742.1	90.2%
60-90	375.5	9%
70-100	142.2	3.4%
90-120	31.3	0.8%
0-90	4,117.6	99.2%
90-180	33.1	0.8%
0-180	4,150.7	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	133.5	3.2%	90-100	11.7	0.3%
10-20	397.0	9.6%	100-110	14.0	0.3%
20-30	675.6	16.3%	110-120	5.5	0.1%
30-40	947.5	22.8%	120-130	1.6	0%
40-50	986.1	23.8%	130-140	0.1	0%
50-60	602.4	14.5%	140-150	0.1	0%
60-70	245.0	5.9%	150-160	0.0	0%
70-80	99.5	2.4%	160-170	0.0	0%
80-90	30.9	0.7%	170-180	0.0	0%

⚠ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘

IECEE CB Standard Model: IK08

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

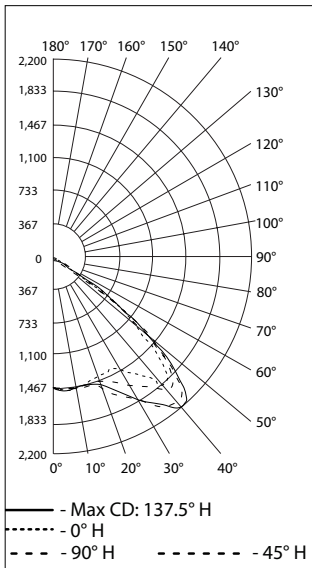
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT

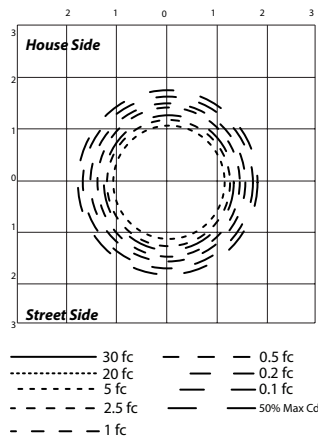
REPORT NUMBER: MLLED3CG5BU

Luminaire Lumens 4,468

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,282.8	28.7%
0-40	2,447.8	54.8%
0-60	4,419.1	98.9%
60-90	42.9	1%
70-100	11.0	0.2%
90-120	4.8	0.1%
0-90	4,461.9	99.9%
90-180	6.1	0.1%
0-180	4,468.0	100%

LUMENS PER ZONE

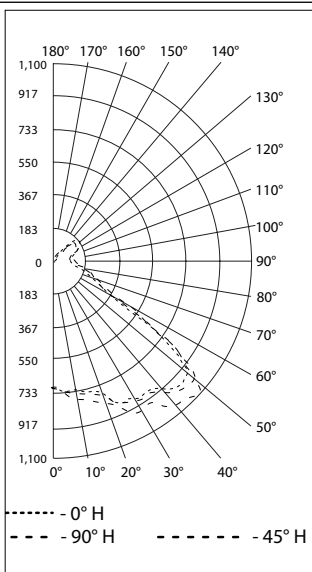
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	140.3	3.1%	90-100	1.2	0%
10-20	411.6	9.2%	100-110	1.4	0%
20-30	730.9	16.4%	110-120	2.1	0%
30-40	1,164.9	26.1%	120-130	0.6	0%
40-50	1,407.0	31.5%	130-140	0.1	0%
50-60	564.3	12.6%	140-150	0.4	0%
60-70	33.0	0.7%	150-160	0.2	0%
70-80	6.5	0.1%	160-170	0.1	0%
80-90	3.3	0.1%	170-180	0.0	0%

Type V, Glass Refractor, 5000K CCT

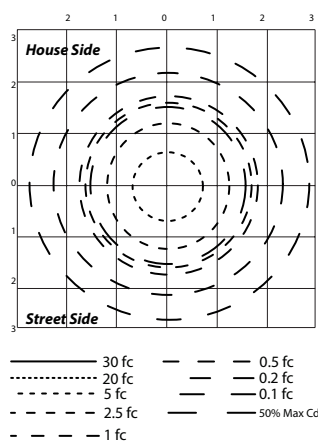
REPORT NUMBER: MLLED3CJ5BU

Luminaire Lumens 4,020

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	699.2	17.4%
0-40	1,275.6	31.7%
0-60	2,714.3	67.5%
60-90	689.0	17.1%
70-100	484.7	12.1%
90-120	307.5	7.6%
0-90	3,403.3	84.6%
90-180	617.3	15.4%
0-180	4,020.6	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	70.0	1.7%	90-100	107.5	
10-20	222.3	5.5%	100-110	94.0	
20-30	406.9	10.1%	110-120	106.0	
30-40	576.4	14.3%	120-130	137.5	
40-50	768.1	19.1%	130-140	116.8	
50-60	670.6	16.7%	140-150	49.1	
60-70	311.8	7.8%	150-160	6.2	
70-80	223.5	5.6%	160-170	0.0	
80-90	153.7	3.8%	170-180	0	

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⚠

IECEE CB Standard Model: IK08

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

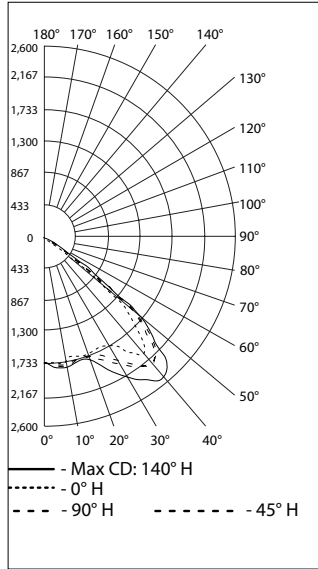
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Polycarbonate, 5000K CCT

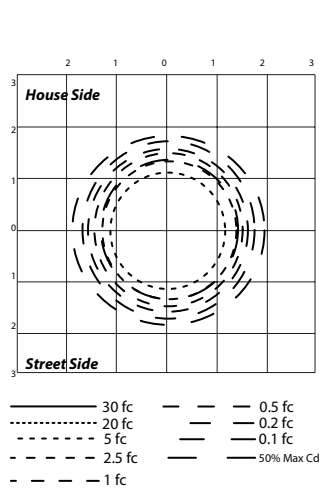
REPORT NUMBER: MLLED4CP5BU

Luminaire Lumens 5,330

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,525.8	28.6%
0-40	2,872.5	53.9%
0-60	5,237.4	98.3%
60-90	82.4	1.5%
70-100	29.4	0.6%
90-120	7.9	0.1%
0-90	5,319.8	99.8%
90-180	10.7	0.2%
0-180	5,330.5	100%

LUMENS PER ZONE

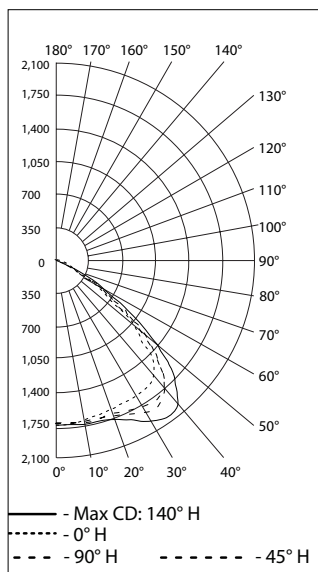
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	166.7	3.1%	90-100	3.1	0.1%
10-20	493.8	9.3%	100-110	3.0	0.1%
20-30	865.2	16.2%	110-120	1.7	0%
30-40	1,346.8	25.3%	120-130	0.9	0%
40-50	1,619.8	30.4%	130-140	0.6	0%
50-60	745.2	14.0%	140-150	0.6	0%
60-70	56.1	1.1%	150-160	0.4	0%
70-80	17.0	0.3%	160-170	0.2	0%
80-90	9.2	0.2%	170-180	0.1	0%

Type V, Diffused Polycarbonate, 5000K CCT

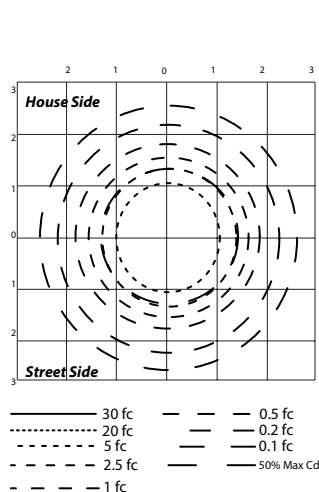
REPORT NUMBER: MLLED4CD5BU

Luminaire Lumens 5,150

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,484.5	28.8%
0-40	2,652.4	51.5%
0-60	4,632.4	89.9%
60-90	475.6	9.2%
70-100	180.0	3.5%
90-120	39.1	0.8%
0-90	5,108.0	99.2%
90-180	42.1	0.8%
0-180	5,150.1	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	164.4	3.2%	90-100	14.5	0.3%
10-20	488.7	9.5%	100-110	17.8	0.3%
20-30	831.4	16.1%	110-120	6.9	0.1%
30-40	1,167.9	22.7%	120-130	2.0	0%
40-50	1,223.7	23.8%	130-140	0.3	0%
50-60	756.3	14.7%	140-150	0.2	0%
60-70	310.0	6.0%	150-160	0.2	0%
70-80	125.8	2.4%	160-170	0.1	0%
80-90	39.8	0.8%	170-180	0.1	0%

⚠ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

Standard

Ordinary Locations

NEC/CEC Standard Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘

IECEE CB Standard Model: IK08

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved (Standard Model Only)

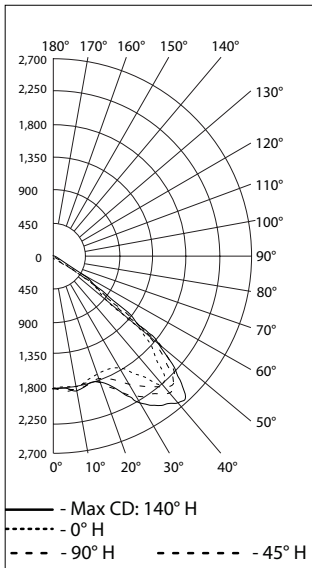
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT

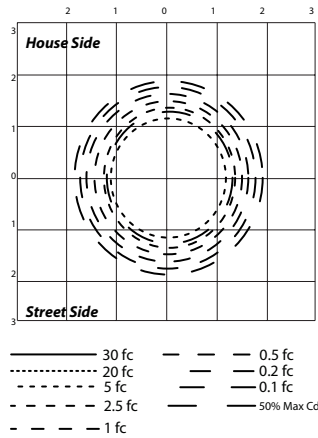
REPORT NUMBER: MLLED4CG5BU

Luminaire Lumens 5,529

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,575.5	28.5%
0-40	2,990.6	54.1%
0-60	5,434.7	98.3%
60-90	81.6	1.5%
70-100	27.7	0.5%
90-120	10.6	0.2%
0-90	5,516.3	99.8%
90-180	13.4	0.2%
0-180	5,529.7	100%

LUMENS PER ZONE

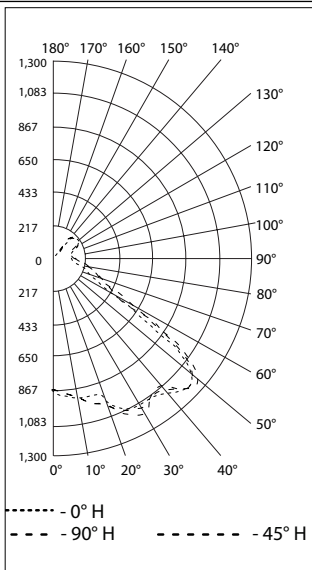
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	173.1	3.1%	90-100	3.8	0.1%
10-20	506.7	9.2%	100-110	3.3	0.1%
20-30	895.7	16.2%	110-120	3.5	0.1%
30-40	1,415.1	25.6%	120-130	1.3	0%
40-50	1,712.6	31.0%	130-140	0.5	0%
50-60	731.4	13.2%	140-150	0.4	0%
60-70	57.6	1.0%	150-160	0.4	0%
70-80	15.7	0.3%	160-170	0.2	0%
80-90	8.2	0.1%	170-180	0.1	0%

Type V, Glass Refractor, 5000K CCT

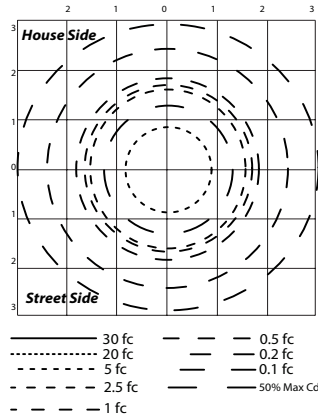
REPORT NUMBER: MLLED4CJ5BU

Luminaire Lumens 4,940

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	872.9	17.7%
0-40	1,570.0	31.8%
0-60	3,310.7	67%
60-90	861.5	17.4%
70-100	606.8	12.3%
90-120	378.1	7.7%
0-90	4,172.1	84.4%
90-180	768.2	15.6%
0-180	4,940.4	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	85.6	1.7%	90-100	134.2	2.7%
10-20	278.2	5.6%	100-110	116.1	2.3%
20-30	509.2	10.3%	110-120	127.8	2.6%
30-40	697.1	14.1%	120-130	169.8	3.4%
40-50	923.1	18.7%	130-140	148.5	3%
50-60	817.6	16.5%	140-150	63.2	1.3%
60-70	388.8	7.9%	150-160	8.4	0.2%
70-80	280.0	5.7%	160-170	0.1	0%
80-90	192.7	3.9%	170-180	0	0%

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

With Emergency Battery Backup
Ordinary Locations

NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⚠
Notable: American Bureau of Shipping (ABS) Certified

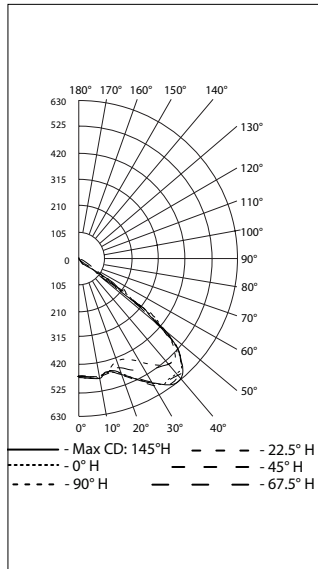
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Polycarbonate, 5000K CCT

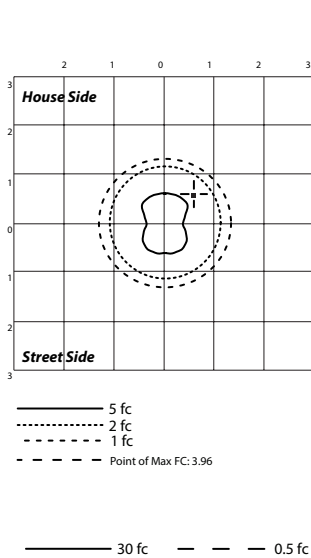
REPORT NUMBER: MLLED2CP5BUH+EMR

Luminaire Lumens 1,404

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	407.0	29%
0-40	763.6	54.4%
0-60	1,388.0	98.8%
60-90	16.4	1.2%
70-100	3.5	0.3%
90-120	0.1	0%
0-90	1,404.4	100%
90-180	0.1	0%
0-180	1,404.5	100%

LUMENS PER ZONE

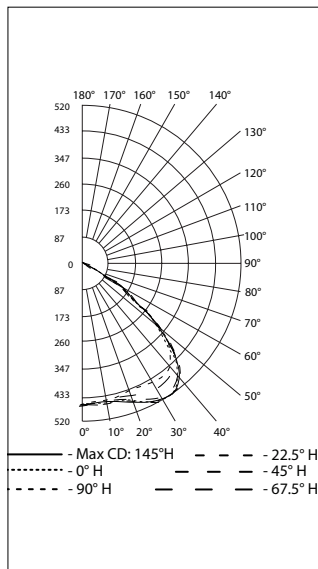
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	44.3	3.2%	90-100	0.1	0%
10-20	130.2	9.3%	100-110	0	0%
20-30	232.5	16.6%	110-120	0	0%
30-40	356.6	25.4%	120-130	0	0%
40-50	424.6	30.2%	130-140	0	0%
50-60	199.9	14.2%	140-150	0	0%
60-70	12.9	0.9%	150-160	0	0%
70-80	2.4	0.2%	160-170	0	0%
80-90	1.1	0.1%	170-180	0	0%

Type V, Diffused Polycarbonate, 5000K CCT

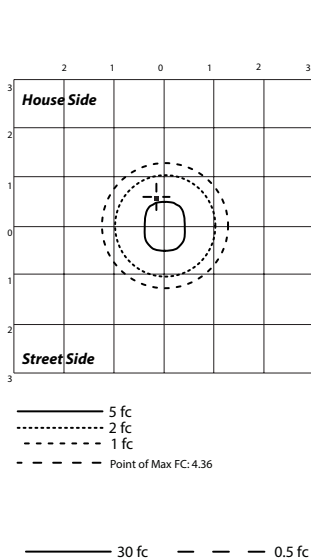
REPORT NUMBER: MLLED2CD5BUH+EMR

Luminaire Lumens 1,369

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	395.3	28.9%
0-40	702.3	51.3%
0-60	1,231.5	89.9%
60-90	126.7	9.2%
70-100	44.8	3.3%
90-120	10.6	0.8%
0-90	1,358.2	99.2%
90-180	11.1	0.8%
0-180	1,369.3	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	43.5	3.2%	90-100	4.2	0.3%
10-20	129.9	9.5%	100-110	4.7	0.3%
20-30	221.9	16.2%	110-120	1.8	0.1%
30-40	307.0	22.4%	120-130	0.5	0%
40-50	321.3	23.5%	130-140	0	0%
50-60	208.0	15.2%	140-150	0	0%
60-70	86.0	6.3%	150-160	0	0%
70-80	31.5	2.3%	160-170	0	0%
80-90	9.1	0.7%	170-180	0	0%

⚠ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

With Emergency Battery Backup
Ordinary Locations

NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘
Notable: American Bureau of Shipping (ABS) Certified

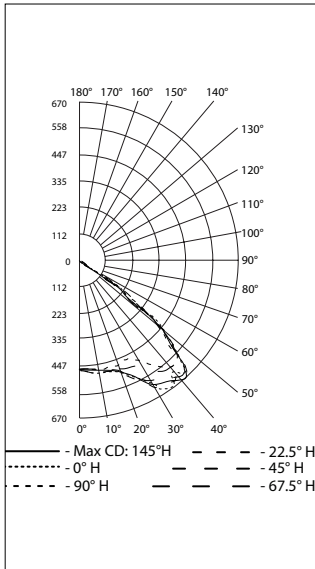
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT

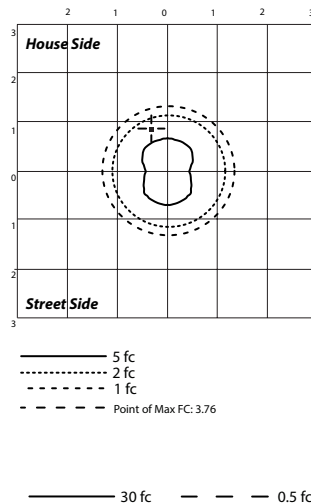
REPORT NUMBER: MLLED2CG5BUH+EMR

Luminaire Lumens 1,460

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	420.1	28.8%
0-40	792.8	54.3%
0-60	1,443.4	98.8%
60-90	16.8	1.1%
70-100	3.0	0.2%
90-120	0.1	0%
0-90	1,460.2	100%
90-180	0.1	0%
0-180	1,460.2	100%

LUMENS PER ZONE

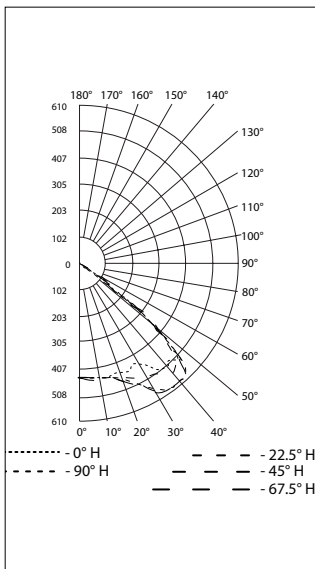
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	44.3	3.0%	90-100	0.1	0%
10-20	133.9	9.2%	100-110	0	0%
20-30	242.0	16.6%	110-120	0	0%
30-40	372.6	25.5%	120-130	0	0%
40-50	444.7	30.5%	130-140	0	0%
50-60	205.9	14.1%	140-150	0	0%
60-70	13.8	0.9%	150-160	0	0%
70-80	2.1	0.1%	160-170	0	0%
80-90	0.8	0.1%	170-180	0	0%

Type V, Clear Glass, 4000K CCT

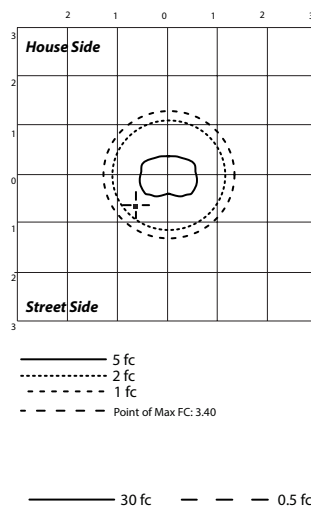
REPORT NUMBER: MLLED4NG5BUH+EMR

Luminaire Lumens 1,330

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	392.5	29.5%
0-40	733.5	55.1%
0-60	1,315.4	98.9%
60-90	15.0	1.1%
70-100	2.6	0.2%
90-120	0	0%
0-90	1,330.4	100%
90-180	0	0%
0-180	1,330.4	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	41.9	3.1%	90-100	0	0%
10-20	125.8	9.5%	100-110	0	0%
20-30	224.8	16.9%	110-120	0	0%
30-40	341.0	25.6%	120-130	0	0%
40-50	399.6	30.0%	130-140	0	0%
50-60	182.3	13.7%	140-150	0	0%
60-70	12.4	0.9%	150-160	0	0%
70-80	1.9	0.1%	160-170	0	0%
80-90	0.7	0.1%	170-180	0	0%

⌘ Use of fuse voids Marine Outside Type (Salt Water) rating.

Industrial Mercmaster™ LED Low Profile Series Luminaires

With Emergency Battery Backup
Ordinary Locations

NEC/CEC Emergency Battery Backup Model: Type 3R, 4, 4X | IP66/IP67 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⚠
Notable: American Bureau of Shipping (ABS) Certified

Photometric Data — DATA SHOWN IS ABSOLUTE

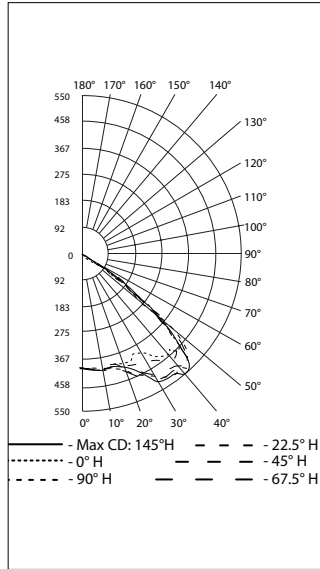
Type V, Clear Glass, 3000K CCT

REPORT NUMBER: MLLED4WG5BUH+EMR

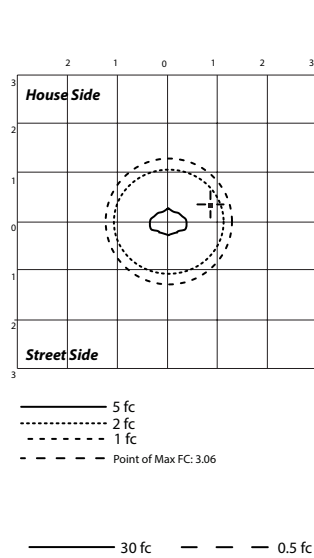
Luminaire Lumens 1,207

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	355.1	29.4%
0-40	659.9	54.6%
0-60	1,193.4	98.8%
60-90	14.4	1.2%
70-100	2.4	0.2%
90-120	0	0%
0-90	1,207.8	100%
90-180	0	0%
0-180	1,207.8	100%

LUMENS PER ZONE

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	38.1	3.2%	90-100	0	0%
10-20	114.1	9.4%	100-110	0	0%
20-30	202.9	16.8%	110-120	0	0%
30-40	304.8	25.2%	120-130	0	0%
40-50	360.5	29.8%	130-140	0	0%
50-60	173.0	14.3%	140-150	0	0%
60-70	12.0	1.0%	150-160	0	0%
70-80	1.7	0.1%	160-170	0	0%
80-90	0.7	0.1%	170-180	0	0%

⚠ Use of fuse voids Marine Outside Type (Salt Water) rating.